In the Specification:

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[0021] Referring now to FIG. 3, there is a schematic diagram of a phase correction circuit of the present invention that may be used with a remote mobile receiver. This phase correction circuit receives signals R.sub.j.sup.1 and R.sub.j.sup.2 as input signals on leads 610 and 614 as shown in equations [5-6], respectively.

$$R_{j}^{1} = \sum_{i=0}^{N-1} r_{j}(i+\tau_{j}) = \alpha_{j}^{1} S_{1} - \alpha_{j}^{2} S_{2}^{*}$$
 [5]

$$\left[\left[R_{j}^{2} = \sum_{i=N}^{2N-1} r_{j}(i+\tau_{j}) = \alpha_{j}^{1} S_{12} + \alpha_{j}^{2} S_{1}^{*}\right]\right]$$

$$R_{j}^{2} = \sum_{i=N}^{2N-1} r_{j}(i+\tau_{j}) = \alpha_{j}^{1}S_{2} + \alpha_{j}^{2}S_{1}^{*}$$
 [6]